Curriculum Vitae - Dag Wieërs - Linux Engineer

Personalia

Full name
Dag Johan Maarten Wieërs
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Recent Résumé
http://dag.wieers.com/cv/cv.pdf,
http://be.linkedin.com/in/dagwieers

Work experience

⇒ *References available on request*

Availability and work interests

Dag is a certified Linux system engineer and architect with experience and focus on Linux and Open Source software, preferably Red Hat Enterprise Linux (RHEL), CentOS or Scientific Linux. With more than 17 years of experience he is one of the Linux pioneers in Belgium and well-known within the specific Red Hat Linux community.

Skills include deploying, migrating and managing Linux infrastructure (servers and desktops), packaging Unix software, designing and implementing system tools, improving hardware support and automating operational tasks using python, shell scripting and perl with attention to documentation, standardization, procedures and policies.

Dag is **available as a freelancer for contract work** inside and outside of Europe, but is not willing to relocate on a permanent basis.

Hewlett-Packard Belgium

May 2010 → December 2012 (2.5 years)

Linux system engineer/architect
Troubleshooting Linux, SAN/multipathing problem. Best practices for Linux multipathing and SAN performance. Assessment and design of Linux reference architecture. RHN Satellite design. HP-UX ksh to Linux migration best practices. Design, implement and document a new Linux environment as part of a Solaris to Linux migration. *Incl. Atos Worldline, Dexia Technology Services, SWIFT, Belgacom, BNP Paribas Fortis*
Linux system developer
Implementing disaster recovery solution. Improvements to installation scripts and webmin modules. Packaging improvements. Automation and scripting. Design and implementation of a samba/anti-virus solution. Documentation and troubleshooting, *at Belgian Federal Police*.

AXA-Tech Belgium

Nov 2007 → Mar 2010 (2.5 years)

Linux system engineer
Linux migration of Belgian datacenter to Germany. Design and implementation of modular framework and infrastructure for Linux and VMware ESX, used for deploying, retrofitting and validating Linux servers. 3rd level support, troubleshooting and design work.

EMC² Belgium

Jul 2007 → Dec 2007 (6 months)

Linux system engineer
Short assignment Implementation of infrastructure for Novell SLES Linux deployment for technical development workstations. Integration with Active Directory, NIS, Clearcase, VMware Server.

Punch Telematix

Jun 2007 → Sep 2007 (4 months)

Linux system engineer
Short assignment Design and implementation of technical documentation system. Design and implementation of subversion. Packaging for Novell SLES Linux. Troubleshooting. Automation.

Euroclear

Dec 2005 → May 2007 (1.5 years)

Unix system engineer
Deployment of Unix systems and services. Design and implementation of management infrastructure (configuration and documentation management, change management). Packaging for Solaris, AIX, Linux and VMware. Custom software development. Troubleshooting. Automation.

Mind Linux Solutions

Oct 1999 → Apr 2001 (1.5 years)

Founder / Business unit manager
Taking care of various parts of the organization, including sales and marketing. Experience with project-management and presales for a small (15 headcount) consultancy company.
Consultant
Linux and Open Source consultancy and training for several customers in on-site projects varying between 1 and 3 weeks.

IBM Belgium

Sep 1999 → Dec 2005 (5.5 years)

Unix system engineer
On Unix and Linux systems. (e.g. packaging on Linux/AIX, implementing various system and network services, general troubleshooting), implementing hosting infrastructure on Linux. (e.g. resource and availability monitoring, capacity planning, firewall framework)
Consultant
Designing and implementing solutions for automatic deployment of Linux clients, Point-Of-Sale systems, network services, clusters and big parallel storage systems for digital media projects, *incl. Real Software, VRT, EVS, RVA, Callataÿ and Wouters, KBC*

SISA Software/Winsome

summer job 1996/1997 and Oct 1997 → Sep 1999

Consultant
Analysis and design of an off-line website generation program (further developed as WebEngine) and web-scripting. Implementation of business projects.
System administration
Installation and operational management of Linux infrastructure and routers.

Provinciale Bibliotheek Limburg

voluntary Oct 1996 → Nov 1997

Network administration
Maintenance of 12 public Internet terminals (based on Windows 95) and an ISDN Internet connection.
Internet training
Individual training and training in group regarding computer use, the Internet, search-engines and popular websites.

Skills

Overall

- Ability to quickly learn and understand from self-study or analysis
- Good understanding of project management and change management
- Thorough experience in Unix system administration, advanced automation and orchestration
- Thorough experience in configuring and deploying systems in a scalable and coherent manner

- Owner of various best practices regarding Linux system and application deployments, system maintenance and documentation, system security and Enterprise Linux in general.
- Experience in developing and marketing products using the Internet and Internet communities
- Experience in project management and leading technical teams

Communication

- Direct communication skills - does not overpromise or under deliver
- Team player - listen, share, cooperate and learn together as a team

- Presentation skills - experience with presenting for large groups in international settings

Systems management

- Thorough experience with enterprise automation and orchestration using Ansible and Red Hat Network Satellite and integrating with enterprise CMDB solutions
- Thorough experience with Red Hat kickstart and post-installation mechanisms for rapid mass deployment

- Thorough experience with building packages and automating enterprise software deployment
- Thorough experience in designing and implementing a multi-customer monitoring and reporting infrastructure

Operating systems / Software

- Excellent knowledge of Linux (since 1994) incl. Red Hat Enterprise Linux, Scientific Linux, CentOS, Fedora (but also SLES, Ubuntu, Debian, …)
- Experience with various Unix systems including AIX, HP/UX and Solaris, mostly related to packaging, automation and troubleshooting
- Experience with managing and integrating with virtualization solutions, incl. OpenVZ, RHEV/KVM and VMware vSphere
- Experience with clustered web-servers for load-balancing and fail-over, firewalling, virtual private networking (VPN), building high-capacity, load-balancing and high-available systems (IPVS), disaster recovery solutions and network intrusion detection systems (NIDS)

- Thorough experience in compiling, installing, and configuring of Unix system software, e.g. NFS, Samba, lpd and cups, Postfix, Amavisd, Bind, DHCP, XFree86, Apache, ssh, ntpd, Snort, Dante, RRDtool, Nagios, Webmin, Relax-and-Recover, KVM, …
- Experience with GPFS clustering and SAN environments for large digital media environments
- Experience with various markup languages (HTML, SGML, DocBook, XML, CSS, AsciiDoc, Markdown)
- IPv4 (TCP/UDP), ICMP, ARP and protocols like IRC, FTP, SMTP, HTTP, NNTP, POP3, IMAP, DHCP, IPsec, …
- SQL (MySQL, msql, PostgreSQL, DB2 and some Oracle)

Programming languages

Active

Lua since 2006, Python since 2002, SQL since 1997, PHP since 1996, Javascript since 1995, Bash and Unix shells since 1994, C since 1994, Perl since 1994

Passive

C# and Mono 2003 - 2005, RPG on AS/400 1997 - 1998, Visual Basic 1997, Java 1996 - 1999, x86 Assembler 1992 - 1996, Pascal 1991 - 1999, Basic 1988 - 1990

Languages

- Dutch: native
- English: fluently spoken and written
- French: basic spoken and limited written
- German: notions

Education

⇒ While I would like to become a Red Hat Certified Architect (RHCA), I cannot justify the cost versus its value just to prove my technical skills.

Certifications
Red Hat
- Red Hat Certified Engineer (RHCE)
- Red Hat Certified System Administrator (RHCSA)

Linux Professional Institute
- LPI Certification Level 2 - Advanced Level (LPIC-2)
- LPI Certification Level 1 - Junior Level (LPIC-1)

Brainbench
- Linux Administration (General) 4.71/5 (30 March 2005) #1 Belgium [> 99% of all participants]
- Linux Administration (Red Hat 9): 4.34/5 (30 March 2005) #2 Belgium [> 98% of all participants]
- Linux Administration (Red Hat): 3.93/5 (30 March 2005) #2 Belgium [> 96% of all participants]
- Linux Programming (General): 4.21/5 (30 March 2005) #1 Belgium [> 89% of all participants]
- Unix Administration (General): 4.53/5 (30 March 2005) #3 Belgium [> 94% of all participants]

Public speaking
I have presented on various occassions about different Linux and Open Source topics, including at the following conferences:

- T-DOSE, Eindhoven, NL - 2007-2012
- LinuxTag, Berlin, DE - 2008, 2012
- ODF Plugfest, Brussels, BE - 2012
- Loadays, Antwerp, BE - 2012
- FlossUK, Edinburgh, UK - 2012
- LinuxCon Europe, Prague, CZ - 2011
- LibreOffice Conference, Paris, FR - 2011
- Japan Linux Symposium, Tokyo, JP - 2009
- FrOSCon, Bonn, DE - 2007-2009
- FOSDEM, Brussels, BE - 2007-2009
- Jornadas Regionales de Software Libre, Buenos Aires, AR - 2008
- LinuxWorld Expo Brussels, BE - 2008
- LinuxWorld Expo Utrecht, NL - 2007
- Linuxconf.eu, Cambridge, UK - 2007

Technical writing
IBM Redbook Residency, Poughkeepsie, NY (05/2005)
Co-written a Redbook about the design and implementation of GPFS (General Parallel File System) in a digital media (broadcasting) environment. [SG246700]
IBM Redbook Residency, Austin, TX (11/2002)
Co-written a Redbook about the design and implementation of a Linux-based deployment in a branch banking environment. [SG246813]

Formal education
XIOS Hogeschool Limburg, Diepenbeek (1996 → 1999)
Applied Computer Science (~ Bachelor degree)
Universiteit Hasselt, Diepenbeek (1994 → 1996)
Computer Science, 1st year
Heilig Hartcollege, Heusden-Zolder (1988 → 1994)
Latin-Greek, Latin-Mathematics and Science-Mathematics

Additional activities

- Maintainer of RPMforge RPM Repository with more than 5000 Open Source software RPM packages for RHEL, Scientific Linux and CentOS *used by many international companies and organizations.*
- Member of the ELRepo project providing kernel module packages (hardware drivers) *used by many international companies and organizations using RHEL, Scientifix Linux or CentOS.*
- Author of various Open Source software projects *incl. dstat, asciidoc-odf, unoconv, mrepo, dconf, sarah, wiipresent*
- Contributor to various Open Source projects *incl. Ansible, Relax-and-Recover, asciidoc, docbook2odf, proxytunnel, scannedonly*
- Ex-member of the CentOS core team
- Author of the FrOSCon LiveUSB used for informational displays and conference room computers